Amendments to the Specification:

Please amend the specification as follows:

On page 3, paragraph beginning at line 24, amend as follows:

The host 102 includes a computer program ~~103~~ 130, which includes a CGI engine 104, which in an embodiment is an operation configured to execute and administer one or more CGIs, and a messaging bus 120, which in an embodiment is another operation configured to enable multiple operations within the computer program to communicate with each other. In a specific exemplary embodiment, the CGIs administered by the CGI engine 104 are servlets. A servlet is a particular type of CGI that can be configured to execute a certain function, such as manage an application, for example. While a servlet is typically written in the Java programming language, a CGI can be written according to other programming languages or logic structures. According to the invention, the CGI engine 104 is configured to function as an application server, including, without being limited to, logging information related to the use and operation of applications, authentication of users of CGIs, and authorization of the usage of the CGIs.

On page 4, paragraph beginning at line 7, amend as follows:

The host can also include a web server 106. The web server 106 functions as a conventional web server that communicates with a client according to the hypertext transfer protocol (HTTP). As used herein, HTTP means any application-level protocol that is supported by a web server or a web browser, including but not limited to secure HTTP (HTTPS). In an embodiment of the invention, the web server 106 also communicates with the CGI engine 104, from which the web server 106 executes one or more CGIs running in the CGI engine 104. In a specific embodiment, the web server 106 invokes and executes one or more servlets, through which communications are performed between the web server ~~104~~ 106 and an application 114. One particular type of CGI according to the invention is an application CGI 112. The application CGI 112 is configured to execute and manage an associated application 114, in response to

requests received from the web server 106. The application CGI 112 can be a servlet. One specific type of servlet for the application CGI is called a sublet. A sublet is a servlet extension that is specifically configured for executing and managing an associated application.

On page 4, paragraph beginning at line 22, amend as follows:

The CGI engine 104 can be configured with at least two contexts for running CGIs. One context is an application context 108. The application context 108 is a self-sustained environment of resources within the CGI engine 104 that is configured to, but not limited to, enable multiple CGIs and other programs to commonly share resources. The application context 108 also provides a secure environment in which an application CGI 112 and an application 114, and its supporting resources, can operate shielded from corruption by other CGIs or applications running in the CGI engine 104. For each application 114, the CGI engine 104 is configured to create a CGI an application context 108 that includes an application CGI 112 and one or more administration CGIs 116 associated with the application CGI 112. The application context 108 enables CGIs, such as administration CGIs 116, and application CGIs 112 with features that include, but are not limited to, getting the actual location of a physical resource within the host 102 from a representation of that resource, and logging messages and exceptions being generated by the application. The application context 108 is further configured to enable the application 114 to get a reference, i.e. find where in a memory, to other applications within the CGI engine 104 that are registered to communicate with the application 114. The reference can be based on a name of the application 114.

On page 10, paragraph beginning at line 28, amend as follows:

In the specific exemplary embodiment, the client application server 103 is a web browser, the client-side application 105 is an HTML document with a Java Applet. The web server 106 that is running in conjunction with the CGI engine 104 delivers the HTML document with the Java applet to the web browser 106 103. Upon the completion of the delivery, the Java Applet is initiated and establishes a connection to the messaging bus 120 as described above. The Java

Applet now contains an extension of the messaging bus 120 and is a publisher and/or subscriber to one or more topics on the messaging bus 120.